	Application No.	Applicant(s)	
Notice of Allowability	00/761 466	764.400	
	09/761,466 Examiner	LEE ET AL. Art Unit	
	Colina V Qian		
	Celine X Qian	1636	
The MAILING DATE of this communication apper All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT Right of the Office or upon petition by the applicant. See 37 CFR 1.313	OR REMAINS) CLOSED in this apport or other appropriate communication GHTS. This application is subject to and MPEP 1308.	plication. If not include will be mailed in due	ed course. THIS
1. This communication is responsive to the communication file	ed on 9/24/03.		
2. The allowed claim(s) is/are 1-6, 8, 9, 11, 12, 18 and 19.			
3. The drawings filed on <u>24 September 2003</u> are accepted by			
4. ☐ Acknowledgment is made of a claim for foreign priority unda) ☐ All b) ☐ Some* c) ☐ None of the:	er 35 U.S.C. § 119(a)-(d) or (f).		
 Certified copies of the priority documents have 	been received.		
2. Certified copies of the priority documents have	been received in Application No	·	
 Copies of the certified copies of the priority doc International Bureau (PCT Rule 17.2(a)). 	suments have been received in this r	national stage applicat	ion from the
* Certified copies not received:			
5. Acknowledgment is made of a claim for domestic priority un	der 35 U.S.C. § 119(e) (to a provision	onal application).	
(a) 🗌 The translation of the foreign language provisional application has been received.			
6. Acknowledgment is made of a claim for domestic priority un	der 35 U.S.C. §§ 120 and/or 121.		
Applicant has THREE MONTHS FROM THE "MAILING DATE" of below. Failure to timely comply will result in ABANDONMENT of t			
7. A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which gives reason			OTICE OF
8. CORRECTED DRAWINGS must be submitted. (a) including changes required by the Notice of Draftspers 1) hereto or 2) to Paper No (b) including changes required by the proposed drawing companies to the	orrection filed, which has be	en approved by the E	
(c) ☐ including changes required by the attached Examiner's	s Amendment / Comment or in the C	office action of Paper I	Vo
Identifying indicia such as the application number (see 37 CFR 1.8 each sheet.	34(c)) should be written on the drawing	gs in the front (not the	back) of
9. DEPOSIT OF and/or INFORMATION about the depose attached Examiner's comment regarding REQUIREMENT FOR THE			lote the
Attachment(s)			
 1 ☐ Notice of References Cited (PTO-892) 3 ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 5 ☑ Information Disclosure Statements (PTO-1449), Paper No. 12 7 ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material 	2☐ Notice of Informa 4☐ Interview Summa 02. 6☐ Examiner's Amen 8☐ Examiner's States 9☐ Other	ry (PTO-413), Paper I ndment/Comment	No
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		ANNE-MARIE FALK DL	a n

2 MARY EXAMINER

EXAMINER'S AMENDMENT

An extension of time under 37 CFR 1.136(a) is required in order to make an examiner's amendment which places this application in condition for allowance. During a telephone conversation conducted on 8/21/03, Applicants requested an extension of time and authorized the Director to charge Deposit Account No. 03-2095 the required fee for this extension and authorized the following examiner's amendment. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Applicants' representative Kristina Brady on 8/21/03

The application has been amended as follows:

- Claim 1. A substantially purified nucleic acid molecule comprising an enhancer element having:
- (a) <u>a segment with</u> at least 95% sequence identity to the sequence of SEQ ID NO:1 and <u>a</u> segment with at least 95% sequence identity to the sequence of SEO ID NO:2;
 - (b) at least 95% sequence identity to the sequence of SEQ ID NO:3; or
 - (c) at least 95% sequence identity to SEQ ID NO:4.
- Claim 4. The nucleic acid molecule of claim 1, wherein said enhancer element [nucleic acid molecule] comprises a binding site selected from the group consisting of Mef2, dHAND, GATA, TGF-\(\beta\), CarG, E-box, and CsX/Nkx2.5 binding sites.

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Claim 5. The nucleic acid molecule of claim 4, wherein said enhancer element [nucleic acid molecule] further comprises an Sp-1 binding site.

Claim 12. An expression vector comprising a gene linked to a regulatory sequence wherein said sequence is a cardiac enhancer element comprising:

- (a) a segment with at least 95% sequence identity to the sequence of SEQ ID NO:1 and a segment with at least 95% sequence identity to the sequence of SEQ ID NO:2;
 - (b) at least 95% sequence identity to the sequence of SEQ ID NO:3; or
 - (c) at least 95% sequence identity to SEQ ID NO:4.

Claim 20. cancelled.

As requested by Applicants, the following is a clarification of the term "enhancer element." It is understood by Applicants and the examiner that the "enhancer element" encompasses both A1 region and A2 region, and all the binding sites located either within these two regions or between the two regions. Applicants authorized the amendment of claims 4 and 5 based on this understanding.

Conclusion

This application is in condition for allowance except for the following formal matters:

Color photographs and color drawings are acceptable only for examination purposes unless a petition filed under 37 CFR 1.84(a)(2) is granted permitting their use as acceptable drawings. In the event that applicant wishes to use the drawings currently on file as acceptable drawings, a petition must be filed for acceptance of the color photographs or color drawings as

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acceptable drawings. Any such petition must be accompanied by the appropriate fee set forth in 37 CFR 1.17(h), three sets of color drawings or color photographs, as appropriate, and an amendment to the first paragraph of the brief description of the drawings section of the specification which states:

The patent or application file contains at least one drawing executed in color. Copies of this patent or patent application publication with color drawing(s) will be provided by the U.S. Patent and Trademark Office upon request and payment of the necessary fee.

Color photographs will be accepted if the conditions for accepting color drawings have been satisfied.

Prosecution on the merits is closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.

A shortened statutory period for reply to this action is set to expire **TWO MONTHS** from the mailing date of this letter.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Celine X Qian whose telephone number is 703-306-0283. The examiner can normally be reached on 9:00-5:30 M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Remy Yucel Ph.D. can be reached on 703-305-1998. The fax phone number for the organization where this application or proceeding is assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is 703-308-0196.

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Celine Qian, Ph.D.

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